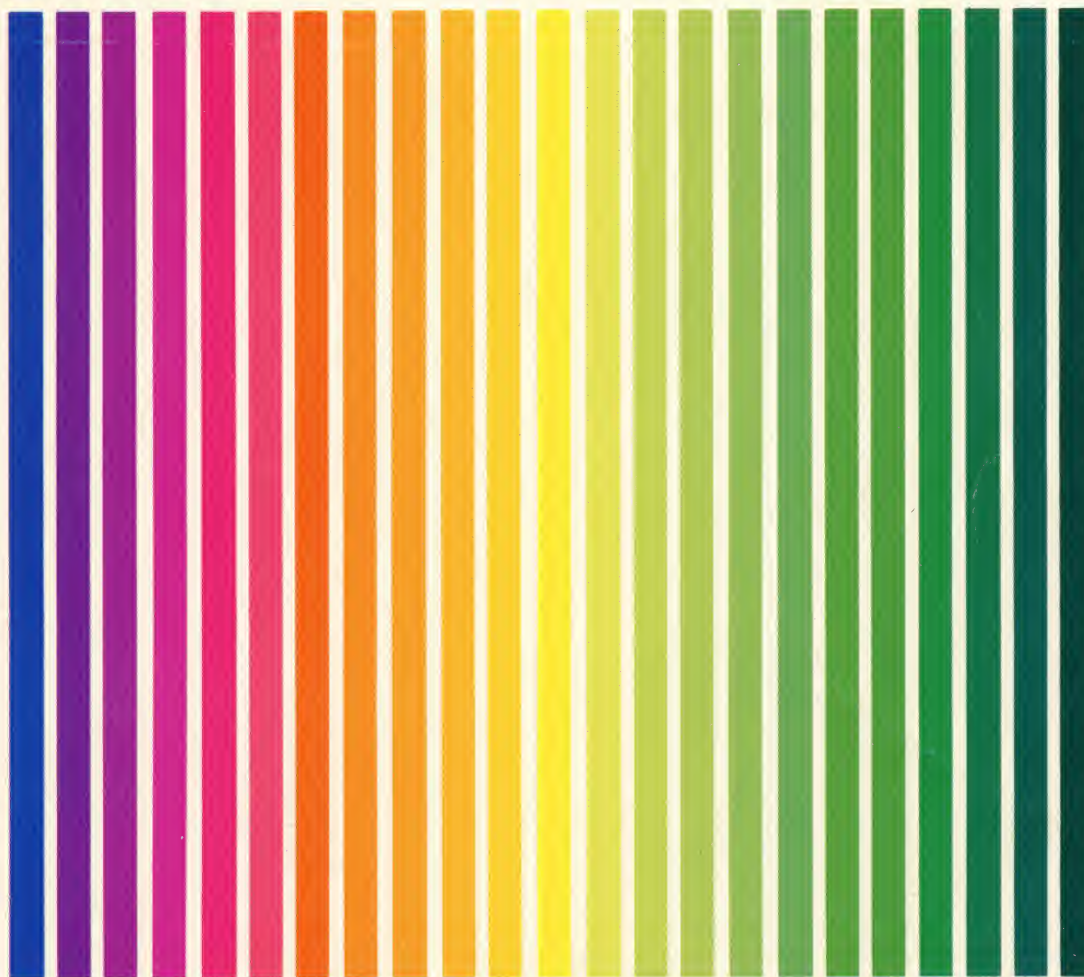# ΠPX

ATARI® PROGRAM EXCHANGE

Jerry Falkenhan   March 1982

FAMILY CASH FLOW

DISKETTE (APX-20080)
REQUIRES: 32K RAM

User-Written Software for ATARI Home Computers

JERRY FALKENHAN   MARCH 1982

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<u>DISKETTE</u> (APX-20080)
REQUIRES: 32K RAM

FAMILY CASH FLOW

by

Jerry Falkenhan

Program and Manual Contents © 1982 Jerry Falkenhan

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IMPORTANT!

DUPLICATE
THIS
DISKETTE
BEFORE
USING
THIS
PROGRAM!
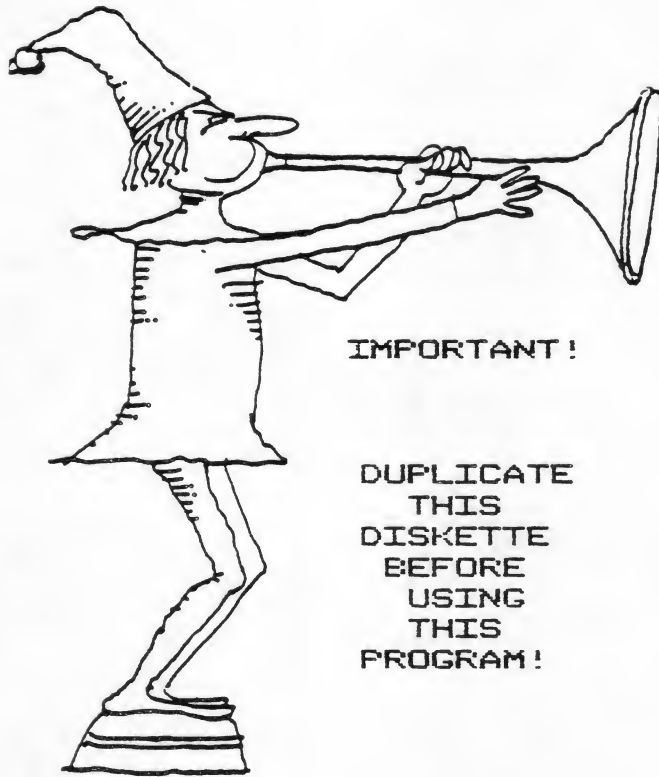
This APX diskette is unnotched to protect the software against
accidental erasure. However, this protection also prevents a program
from storing information on the diskette. The program you've
purchased involves storing information. Therefore, before you can use
the program, you must duplicate the contents of the diskette onto a
notched diskette that doesn't have a write-protect tab covering the
notch.

To duplicate the diskette, call the Disk Operating System (DOS) menu
and select option J, Duplicate Disk. You can use this option with a
single disk drive by manually swapping source (the APX diskette) and
destination (a notched diskette) until the duplication process is
complete. You can also use this option with multiple disk drive
systems by inserting source and destination diskettes in two separate
drives and letting the duplication process proceed automatically.
(Note. This option copies sector by sector. Therefore, when the
duplication is complete, any files previously stored on the
destination diskette will have been destroyed.)

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FIGURES

INTRODUCTION

OVERVIEW

Have you ever wondered where your money was going? How about the time you could have
written off more on your taxes, but didn't have the records from January to see what you
had purchased? Can you remember what your gas and electricity ran in February? Perhaps
you're thinking, "Do I make enough to afford the payments on a new car?"

With FAMILY CASH FLOW you can answer these questions and many more. Organized into a
series of menus and prompted display screens, FAMILY CASH FLOW is very "user-friendly".
Our family has tested and debugged the program for nine months; the resulting program is
very smooth and hard even for a novice computer user to "crash".

Each month can track as many as 125 expense entries in thirteen categories and 25 income
entries in five categories. It can support annual household income and expenses up to
$999,999.99. You can increase the number of entries per month if you have two disk drives
(see the "Hints" section for more information).

REQUIRED ACCESSORIES

32K RAM
ATARI 810 Disk Drive
ATARI BASIC Language Cartridge

OPTIONAL ACCESSORIES

ATARI printer or equivalent printer

CONTACTING THE AUTHOR

Users wishing to contact the author about FAMILY CASH FLOW may write to him at:

6130 McAbee Road
San Jose, CA 95120

GETTING STARTED

SETTING UP

1. Insert the ATARI BASIC Language Cartridge in the (Left Cartridge) slot of your computer.

2. Turn on your disk drive.

3. When the BUSY light goes out, open the disk drive door and insert the FAMILY CASH FLOW diskette with the label in the lower right-hand corner nearest to you. (Insert it in disk drive one if you have more than one drive.)

4. Turn on your computer and your TV set.

5. If you're planning to use your printer, turn it and the ATARI 850 Interface Module, if applicable, on.

6. As the program automatically loads into computer memory, this message displays:

```
        'CASH FLOW'
     IS NOW LOADING.
     PLEASE STANDBY.
```

Then the program's Main Menu displays:

```
     ------------------------------
     |$|    FAMILY FINANCES   |$|
     ------------------------------
     |$|(A) REVIEW FINANCES   |$|
     |$|(B) EXPENSE PROGRAM   |$|
     |$|(C) INCOME PROGRAM    |$|
     |$|(D) PRINT FINANCES    |$|
     |$|(E) INITIALIZE        |$|
     |$|(F) EXIT PROGRAM      |$|
     ------------------------------
     |$|WHICH OPERATION?(A-F)|$|
     ------------------------------
```

Figure 1 Main Menu

ENTERING INFORMATION AND RESPONDING TO PROMPTS

You pick menu options by pressing the letter corresponding to the option you want (e.g., press "A" if you want to view your finances). Similarly, you respond to prompted questions requiring a "yes" or "no" answer by pressing "Y" or "N". Pressing the RETURN key isn't necessary in these instances. When you enter data (for example, an automotive expense), however, you need to press the RETURN key to notify the program that you've completed your input. A prompt will remind you whenever pressing the RETURN key is necessary.

SAMPLE SESSION

Your diskette contains income and expense entries for January through September. You can use this data to familiarize yourself with the program's activities. Let's assume you want to look at table showing monthly income, expense, variance, and then, accumulated income and expense. First, select option A, REVIEW FINANCES, by pressing the "A" key. After the program loads each month's data into computer memory (messages display during the loading process), the Detail of Finances Table displays:

```
                  Detail of Finances

        INCOME     -     EXPENSE    =   VARIANCE
        --------         --------       --------
JAN  $   4105.45    $    5898.14    -   1792.69
FEB  $   3185.51    $    3679.56    -    494.05
MAR  $   3329.81    $    3476.34    -    146.53
APR  $  10503.97    $    6480.07    +   4023.90
MAY  $   2618.21    $    4418.42    -   1800.21
JUN  $   4797.46    $    4583.72    +    213.74
JUL  $   5435.93    $    4156.23    +   1279.70
AUG  $   4126.53    $    4860.80    -    734.27
SEP  $   1908.97    $    1107.25    +    801.72
OCT  $       .00             .00           .00
NOV  $       .00             .00           .00
DEC  $       .00             .00           .00
        ========         ========       ========
TOT.$   40011.84    $   38660.53    +   1351.31

           PRESS 'C' TO CONTINUE

        Figure 2   Detail of Finances Table
```

Press the letter "C" and you'll see Figure 3, The Accumulated Totals for Income.

```
        ACCUMULATED TOTALS FOR INCOME

            Paychecks....$ 32559.46

            Interests....$  1134.55

            Dividends....$   987.15

            Cash.........$  2068.14

            Misc.Income..$  3026.54
                         ----------
            TOTAL........$ 40011.84

            PRESS 'C' TO CONTINUE
```

Figure 3   Accumulated Totals for Income

Now press the letter 'C' and you'll see the Accumulated Totals for Expense (Figure 4).

```
        ACCUMULATED TOTALS FOR EXPENSE

            Automotive.....$   3370.10
            Gas/Oil........$    981.14
            Business.......$    482.64
            Clothes........$    605.33
            Utilities......$    995.77
            Pleasure.......$   1561.18
            Food...........$   3263.94
            Home Impr......$   4293.41
            Taxes..........$   8877.33
            Insurances.....$   1106.86
            Mortgage.......$  11310.00
            Misc...........$   1489.82
            Medical........$    323.01
                           ----------
            TOTAL..........$  38660.53

            PRESS 'C' TO CONTINUE
```

Figure 4   Accumulated Totals for Expense

If that's all you want to do, you press the letter "C" to return to the Main Menu and then press the letter "F" to exit the program and return to the READY prompt in BASIC.

-4-

ERASING THE SAMPLE DATA

Once you've practiced using the various functions in FAMILY CASH FLOW, you'll need to remove the sample entries before adding your own. To clear the diskette file for entering your data, select option E, INITIALIZE, on the Main Menu. Press "Y" in response to the prompt:

WANT A NEW YEAR? Y/N

A warning message then displays to confirm that you really intend to erase all the entries:

IMPORTANT!!

THIS FUNCTION RESETS ALL
MONTHLY DATA TO ZERO.

IS THIS WHAT YOU WANT? Y/N

Again press the letter "Y" to confirm that you want to remove all the entries.

RENAMING INCOME AND EXPENSE CATEGORIES

You also use option E, INITIALIZE, to rename any or all of the income and expense categories. See the discussion under that option for more information.

ERASING DUP.SYS TO MAKE ROOM FOR DATA

DUP.SYS is the diskette file that gives you the DOS menu. It's not needed for running FAMILY CASH FLOW. In order to have more room for your data, you'll want to remove DUP.SYS. Select option F, EXIT PROGRAM, from the Main Menu. Now type DOS to see the Disk Operating System Menu. Choose option D, DELETE FILE, from this menu. When prompted for the file name, type DUP.SYS and press the RETURN key. Type "Y" in response to the verification prompt.

ARCHIVING THE PROGRAM AND YOUR MONTHLY FILES

It's wise to make a backup or archive diskette of the program after removing the sample data and to copy each month's entries onto this diskette at the end of each month. To back up the program files, select option F, EXIT PROGRAM, on the Main Menu, and then type DOS to enter the Disk Operating System Menu. Select option J, DUPLICATE DISK, on the DOS menu. To copy each month's file, select option C, COPY FILE, if you have more than one disk drive, or option O, DUPLICATE FILE, if you have one disk drive. The file name for each month's expenses is BUDGET.XXX and for each month's income is INCOME.XXX, where "XXX" represents the month's standard abbreviation (e.g., BUDGET.JAN and INCOME.JAN for January's expense and income files). For more information about backing up files, see the Disk Operating System II Reference Manual (C016347 REV.1).

USING FAMILY CASH FLOW

INTRODUCTION

The Main Menu (Figure 1) lists the general functions that FAMILY CASH FLOW supports. You can display an overview of monthly finances (option A); examine in greater detail and add, remove, modify, or print monthly expense entries (option B) or monthly income entries (option C); print an income, expense, and variance report for the year (option D); and erase all entries for the year or rename income and expense categories (option E). An explanation of how to use each function follows.

OPTION A--REVIEW FINANCES

Select this function to display the Detail of Finances Table (see Figure 2). As the program loads each month's data into computer memory, you'll see the month abbreviations display in two columns, income to the right of the Main Menu and expense to the left. After loading in all the data, the program displays the Detail of Finances Table. When you're finished viewing the report, press the letter "C" to see a categorical display of your income (see Figure 3). By pressing "C" again your expenses appear in categories (see Figure 4). Now press "C" to return to the Main Menu.

OPTION B--EXPENSE PROGRAM

Use this function to look at a month's expenses, add, remove, or modify entries in various expense categories, and print summaries or detail reports. After you press the letter "B", the Month Menu displays:

```
            FAMILY EXPENSES

        (A)  JAN      (G)  JUL
        (B)  FEB      (H)  AUG
        (C)  MAR      (I)  SEP
        (D)  APR      (J)  OCT
        (E)  MAY      (K)  NOV
        (F)  JUN      (L)  DEC

        WHICH MONTH?  (A-L)
        --------------------
        PRESS 'X' TO EXIT EXPENSES

          Figure 5  Month Menu
```

Select the month you want to work with by pressing its corresponding letter (or press X if you change your mind and want to return to the Main Menu). Let's suppose we want to work with January; you press the letter "A". You'll notice that your selected month will display at the top of each menu and data display, until you select another month. The

program then displays the Function Menu for you to select your desired activity:

```
                        EXPENSES

                   JAN has 47 entries

                   (A) VIEW ENTRIES
                   (B) ENTER DATA
                   (C) CHANGE ENTRIES
                   (D) DELETE ENTRIES
                   (E) PRINT ENTRIES
                   (F) CHANGE MONTH

               WHICH FUNCTION? (A-F)
               ----------------------
            PRESS 'X' TO EXIT EXPENSES

             Figure 6  Function Menu
```

Below the "FAMILY EXPENSES" title your chosen month displays with the number of expense entries to date for the month. You now press the letter corresponding to the function you want to perform. We'll run through these in order.

Function (A)--View Entries

Assuming your chosen month contains expense entries, use this function to display a summary report by expense category, as follows:

```
      VIEW ENTRIES

      JAN has 47 entries

  (A)  Automotive      $ 2441.99
  (B)  Gas/Oil            31.09
  (C)  Business             .00
  (D)  Clothes            21.19
  (E)  Utilities         115.62
  (F)  Pleasure          250.22
  (G)  Food              190.13
  (H)  Home Impr.        653.49
  (I)  Taxes             627.95
  (J)  Insurances        121.05
  (K)  Mortgage         1410.00
  (L)  Misc.              35.41
  (M)  Medical              .00
                        --------
                Total $ 5898.14

  WHICH CATEGORY? (A-M)

  PRESS 'X' TO EXIT THIS FUNCTION

  Figure 7   Entry Summary Report
```

If you're satisfied with this level of detail, press the letter "X" to return to the Function Menu. However, you can also display a detail report of all entries within an expense category. For example, to look at all automotive expenses for January, press the letter "A" for "Automotive" for that report:

```
           Detail of Automotive
   ID#    DATE      DESCRIPTION     AMOUNT
   ----------------------------------------
    1     JAN 10    CYCLE REPAIR...$    93.48
    2     JAN 10    CYCLE REPAIR...$    19.38
    3     JAN 15    DATSUN REPAIR..$   299.13
   43     JAN  8    TRANS. FLUID...$   200.00
    :      :            :               :

   CURRENT TOTAL . . . . . . .$  2441.99

    VIEW IN ANOTHER CATEGORY? Y/N

   Figure 8   Detail Report by Expense Category
```

The program automatically assigns an ID number to each entry. For DATE, DESCRIPTION, and AMOUNT, it uses the data you entered in previous sessions. If an expense category has more than 15 entries, the program asks you whether you want to see these additional

entries. Press "Y" to see the next 15, and so on, until you've seen all entries for the category. At the bottom of the Detail Report the program asks you whether you want to see the Detail Report for another expense category. Press "Y" to re-display the Entry Summary Report and the WHICH CATEGORY? (A-M) prompt; then select another category. Press "N" to return to the Function Menu.

Function (B)--Enter Data

Use this function to add new entries to expense categories. (Note. You're still in whatever month you've previously selected. To change months, select function F first, and then function B.) Let's say you want to add an entry under Automotive expenses. After you press the "B" key to select function B, the Entry Summary Report (Figure 7) for your selected month displays. Press the letter corresponding to the budget category for which you want to add data, in this case, "A". The program then displays this information:

```
MONTH - JAN
ENTRY # - 48
CATEGORY. - Automotive

DAY #

PRESS RETURN AFTER ENTRY

Figure 9   ENTER DATA Display
```

The program automatically displays your selected month and expense category, and it assigns this new entry the next sequential entry ID number. You then enter the number of the day of the month (e.g., 16 for January 16) in response to the "DAY #" prompt and press the RETURN key.

Next the program prompts you for a description:

```
DESCRIPTION _____
```

Enter a description up to 15 characters long and press the RETURN key. The program then prompts you for the amount:

```
AMOUNT   $
```

After you enter the amount (up to $999,999.99), the program displays your new entry, together with a confirmation prompt:

```
IS EVERYTHING OK? (Y OR N)
```

If you made a mistake, press "N" and re-enter your data when prompted to do so. If the entry is correct, press "Y". The program next asks you whether you want to add more entries to your current category:

```
ADD MORE TO THIS CATEGORY? (Y OR N)
```

Answer "Y" to do so; answer "N" if you're finished with this category. A final prompt
then asks whether you want to add entries to other expense categories:

> ADD TO ANOTHER CATEGORY? (Y OR N)

Answer "Y" to redisplay the Entry Summary Display and select another category. Answer "N"
to return to the Function Menu.

Function (C)--Change Entries

Use this function to revise information for entries you've previously entered. The Entry
Summary Report displays after you press the "C" key. (Note. You're still in whatever
month you've already selected. To change months, select function F first, and then
function C.) In response to the WHICH CATEGORY? (A-M) prompt, press the key corresponding
to the category in which you want to make revisions. For example, press the "F" key to
revise entries in the Pleasure category. The detail report for your selected category
then displays, along with a prompt asking which entry you want to modify:

```
          Detail of Pleasure
     ID#  DATE     DESCRIPTION        AMOUNT
     ---------------------------------------
      8   JAN  3   HANNA'S REST...$    11.00
      9   JAN 11   HOTEL STAY.....$   183.00
     10   JAN 14   LUNCH STA.CRUZ.$    22.40
     11   JAN 16   CAR RENTAL.....$    24.82
     12   JAN 30   SCHOOL DINNER..$     9.00

     CURRENT TOTAL................$   250.22
        CHANGE AT WHICH ID#
     PRESS RETURN AFTER ENTRY, 0 TO EXIT
```

> Figure 10   CHANGE ENTRIES Display

If you change your mind about revising an entry, press the zero key and RETURN. The prompt

> CHANGE IN ANOTHER CATEGORY? Y/N

then displays. Press "Y" to return to the Entry Summary Report and the WHICH CATEGORY?
(A-M) prompt; press "N" to return to the Function Menu.

Suppose you want to correct the third entry from $22.40 to $24.40. You enter this entry's
ID number, 10, and press the RETURN key, causing this display:

```
     14   JAN     LUNCH STA.CRUZ..$ 22.40
      (A)              (B)         (C)

     CHANGE WHICH PART? (A-C)
```

You want to correct the cost, part (C), so you press the letter "C" in response to the prompt. The label for that part then displays:

AMOUNT $

You type in the correction and then press the RETURN key. The revised Detail Report displays, along with the prompt:

CHANGE MORE HERE? (Y OR N)

If you want to make other revisions in this category, press "Y" and repeat the sequence. If you don't, press "N", causing this prompt to display:

CHANGE IN ANOTHER CATEGORY? (Y OR N)

To go on to revisions in other expense categories, answer "Y" to display the Entry Summary Report along with the category selection prompt. If you're finished revising expense entries, answer "N" to return to the Function Menu.

Function (D)--Delete Entries

Use this function to remove entries in an expense category. After pressing the "D" key, the Summary Report displays for your selected month, along with the category selection prompt. After you pick the category containing the entry to be deleted, the Detail Report for that category displays, along with the prompts:

DELETE AT WHICH ID#
PRESS RETURN AFTER ENTRY, 0 TO EXIT

If you change your mind about removing an entry in this expense category, press the zero key and RETURN. A prompt asking whether you want to delete entries in another category then displays. Answer "Y" to return to the Entry Summary Report and category selection prompt; answer "N" to return to the Function Menu.

To delete an entry in the currently displayed expense category, type in the ID number in reponse to the prompt and press the RETURN key. The program then deletes all the information for that entry and redisplays the Detail Report, along with the prompt:

DELETE MORE HERE? (Y OR N)

To remove additional entries from this category, answer "Y" and repeat the sequence. Answer "N" if you're finished in this category, in which case the prompt for deleting entries in another category displays:

DELETE IN ANOTHER CATEGORY? Y/N

Answer "Y" to return to the Summary Report and category selection prompt. Answer "N" to return to the Function Menu.

Function (E)--Print Entries

Use this function to print summary or detail reports for all or selected months. When you press the "E" key, the program tests for whether your printer and interface module, if applicable, are turned on and whether your printer is in ONLINE mode. It displays a warning message if it can't verify that your printer is ready. Upon verification, the Print Menu displays (the "XXX" in choices C and D represent your selected month):

```
           PRINT MENU

           (A)  ALL  SUMMARIES
           (B)  ALL  DETAIL  RPTS
           (C)  XXX  SUMMARY
           (D)  XXX  DETAIL
           (E)  CHANGE FUNCTION

           WHICH  CHOICE?  (A-E)

           Figure 11   Print Menu
```

The print choices are as follows:

(A) ALL SUMMARIES--prints all months containing at least one entry, starting with January. These summaries resemble the Summary Report displays.

(B) ALL DETAIL RPTS--prints all entries for each category, organized by month (e.g., all of January's entries by category, then all of February's, and so on). Each month's report is a collection of the Detail Report displays for the categories.

(C) XXX SUMMARY--prints the Entry Summary Report for the currently selected month.

(D) XXX DETAIL--prints all entries for each category for the currently selected month.

(E) CHANGE FUNCTION--returns you to the Function Menu.

To change months, either before or after printing, press "E" to return to the Function Menu, then use function F, CHANGE MONTH, to display the Month Menu and prompt. Select your desired month and then select function E on the Function Menu to return to the Print Entries function.

Function (F)--Change Month

Use this function to change the month you're working in. Pressing "F" causes the Month Menu to display. The program then determines whether you've modified your files. If you have, it writes these changes to the diskette before accepting further input from you.

OPTION C--INCOME PROGRAM

This option uses the same sequence of steps and the same functions as option B. Refer to
that section for further information about the menus, displays, and prompts for the
various functions.

OPTION D--PRINT FINANCES

The program first checks that your printer and interface module, if applicable, are
turned on and that your printer is in ONLINE mode. If it runs into a problem, it displays
the message

        WHERE'S THE PRINTER?

and then redisplays the Main Menu. If it confirms that the printer is ready, the program
then loads in the information for the Detail of Finances Table (Figure 1) and displays it
on your TV screen. The printer then prints this information. After printing, press any
key to return to the Main Menu.

OPTION E--INITIALIZE

Use this function to erase all entries in all your monthly files or to rename expense or
income categories. You step through this option in the same order, regardless of which
activity you want to perform. The sequence is as follows.

After pressing the "E" key to select this option, the prompt for erasing all entries
displays:

        WANT A NEW YEAR? Y/N

Answer "Y" to erase all entries. (Answer "N" to go on to the part for renaming income and
expense categories.) If you answer "Y", the program will ask you to confirm that you
really want to erase all data in your files:

            IMPORTANT!!

        THIS FUNCTION RESETS ALL
         MONTHLY DATA TO ZERO.

        IS THAT WHAT YOU WANT? Y/N

Answer "Y" to confirm that you want the data erased. (Answer "N" if you change your mind
at this point.) The program then removes all entries!

If you answered "N" to either prompt, you'll then go on to the part for renaming income
and expense categories. First, the program displays the income categories along with a
prompt to accept these names or change them:

```
INCOME CATEGORIES

     (A)  Paychecks
     (B)  Interests
     (C)  Dividends
     (D)  Cash
     (E)  Misc Income

ARE THESE INCOME CATEGORIES OK? Y/N
```

If you're satisfied with the income category names, press "Y" to go on to the expense categories. If you want to change one or more names, press "N", causing this prompt to display:

```
WHICH DO YOU WANT TO CHANGE? (A--E)
```

Press the letter corresponding to the category name you want to revise. A black rectangle displays in place of the current name to be changed. Your new name can be up to 11 characters long. Enter your revision and press the RETURN key. The program then re-displays all the income categories with your revision and asks if the categories are OK. If you answer "N", it asks again WHICH DO YOU WANT TO CHANGE? (A-E). You repeat this sequence until you're satisfied with the names. Then you answer "Y" to the prompt ARE THESE INCOME CATEGORIES OK? Y/N to go on to the expense category display and repeat the same steps to rename these categories. Expense category names can be up to 10 characters long. The program saves your revisions in each category (income and expense) after you answer "Y" to the prompt ARE THESE INCOME CATEGORIES OK? Y/N. The Main Menu then displays.

OPTION F--EXIT PROGRAM

Use this option to leave the FAMILY CASH FLOW program and return to the READY prompt in BASIC.
```

# HINTS

## FILE INCREASE

You can increase your file sizes if you have two disk drives. The procedure is as follows:

1. Load FAMILY CASH FLOW into drive one and turn on your computer. After the FAMILY FINANCES screen displays, press the SYSTEM RESET button.

2. List line 15 and use the Screen Editor to change

        F$="D:BUDGET."

to

        F$="D2:BUDGE."

Save this program as "D:MAINMENU".

3. Using the LOAD command, load the "D:BUDGET" file into computer memory.

4. List line 1 and change MAX=125 to MAX=250.

5. List line 19 and change F$ to equal "D2:BUDGE." .

6. List line 501 and change "IF NUM=126" to "IF NUM=251".

7. Save this revised program as "D:BUDGET".

These changes should now let you save 250 expense items per month.


## PRINTER

The print output is formatted for the ATARI 820 40-Column Printer, but it will also work with the ATARI 822 Thermal Printer and the ATARI 825 80-Column Printer.

Be aware that each Expense Summary is about 4 inches long, so a year's worth is about four feet of paper. The real paper eater, however, is the Expense Detail reports, which can be anywhere from 20 to 40 feet long!


## DATA MANAGEMENT

The safest way to manage data you want to accumulate for an entire year is to start an archives diskette immediately. At the end of each month, move the month's BUDGET and EXPENSE files to the archive diskette by using one of the DOS copy functions ("C" or "O"). The month's standard abbreviation is the filename extender (e.g., BUDGET.MAR for March).

If you have a printer, make a hard copy of both the Summary and Detail reports for Income and Expenses at the end of each month for your records.

## LIMITED WARRANTY ON MEDIA AND HARDWARE ACCESSORIES.

We, Atari, Inc., guarantee to you, the original retail purchaser, that the medium on which the APX program is recorded and any hardware accessories sold by APX are free from defects for thirty days from the date of purchase. Any applicable implied warranties, including warranties of merchantability and fitness for a particular purpose, are also limited to thirty days from the date of purchase. Some states don't allow limitations on a warranty's period, so this limitation might not apply to you. If you discover such a defect within the thirty-day period, call APX for a Return Authorization Number, and then return the product along with proof of purchase date to APX. We will repair or replace the product at our option.

You void this warranty if the APX product: (1) has been misused or shows signs of excessive wear; (2) has been damaged by use with non-ATARI products; or (3) has been serviced or modified by anyone other than an Authorized ATARI Service Center. Incidental and consequential damages are not covered by this warranty or by any implied warranty. Some states don't allow exclusion of incidental or consequential damages, so this exclusion might not apply to you.

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1. Name and APX number of program _____

2. If you have problems using the program, please describe them here.

_____

_____

_____

3. What do you especially like about this program?

_____

_____

_____

4. What do you think the program's weaknesses are?

_____

_____

_____

5. How can the catalog description be more accurate and/or comprehensive?

_____

_____

6. On a scale of 1 to 10, 1 being "poor" and 10 being "excellent", please rate the following aspects of this program?

_____ Easy to use
_____ User-oriented (e.g., menus, prompts, clear language)
_____ Enjoyable
_____ Self-instructive
_____ Useful (non-game software)
_____ Imaginative graphics and sound

7. Describe any technical errors you found in the user instructions (please give page numbers).

_____

_____

_____

8. What did you especially like about the user instructions?

_____

_____

_____

9. What revisions or additions would improve these instructions?

_____

_____

_____

10. On a scale of 1 to 10, 1 representing "poor" and 10 representing "excellent", how would you rate the user instructions and why?

_____

_____

11. Other comments about the software or user instructions:

_____

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